

Please type a plus sign (+) inside the box.



PTO/SB/01 (10-00)

Approved for use through 10/31/2002 OMB 0551-0032  
U.S. Patent and Trademark Office, U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

# DECLARATION FOR UTILITY OR DESIGN PATENT APPLICATION (37 CFR 1.63)

☒ Declaration Submitted With Initial Filing OR ☐ Declaration Submitted after Initial Filing (surcharge (37 CFR 1.16 (e)) required)

Attorney Docket Number **5196-01 FSP**  
First Named Inventor **Gail M. Cunningham**

## COMPLETE IF KNOWN

Application Number **1**  
Filing Date **Herewith**  
Group Art Unit  
Examiner Name

As a below named inventor, I hereby declare that:

My residence, post office address, and citizenship are as stated below next to my name.

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

**Fluid-Borne Noise Suppression in an Automotive Power Steering System**

the specification of which (Title of the Invention)

☒ is attached hereto

OR

☐ was filed on (MM/DD/YYYY) [ ] as United States Application Number or PCT International

Application Number [ ] and was amended on (MM/DD/YYYY) [ ] (if applicable)

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims as amended specifically referred to above.

I acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR 1.56, including for continuation-in-part applications, material information which became available between the filing date of the prior application and the national or PCT international filing date of the continuation-in-part application.

I hereby claim foreign priority benefits under 35 U.S.C. 110(a)-(d) or 365(p) of any foreign application(s) for patent or inventor's certificate, or 365(a) of any PCT international application which designated at least one country other than the United States of America, listed below and have also identified below, by checking the box, any foreign application for patent or inventor's certificate, or of any PCT international application having a filing date before that of the application on which priority is claimed.

Prior Foreign Application Number(s)	Country	Foreign Filing Date (MM/DD/YYYY)	Country	Priority Not Claimed	Certified Copy Attached?	
					YES	NO
				<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
				<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
				<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
				<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

☐ Additional foreign application numbers are listed on a supplemental priority data sheet PTO/SB/02B attached hereto.

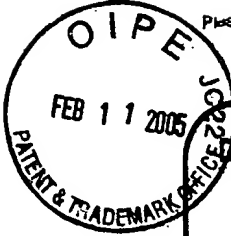
I hereby claim the benefit under 35 U.S.C. 119(e) of any United States provisional application(s) listed below.

Application Number(s)	Filing Date (MM/DD/YYYY)	<input type="checkbox"/> Additional provisional application numbers are listed on a supplemental priority data sheet PTO/SB/02B attached hereto.
<b>60/200,122</b>	<b>04/27/2000</b>	

[Page 1 of 2]

**Burden Hour Statement:** This form is estimated to take 21 minutes to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

RECEIVED  
FEB 16 2005  
TC 1700



Please type or print legibly in black ink → ☒

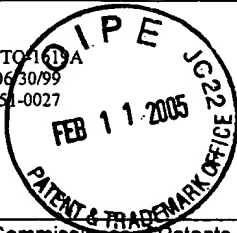
PTO/SPR-01 (10-00)

Approved for use through 10/31/2002. OMB 0551-0002  
U.S. Patent and Trademark Office U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

## DECLARATION — Utility or Design Patent Application

Direct all correspondence to		<input type="checkbox"/> Customer Number or Bar Code Label	<b>23398</b>	OR	<input type="checkbox"/> Correspondence address please
Name	Reising, Ethington, Barnes, Kisselle, Learman & McCulloch, PC				
Address	PO Box 4390				
Address					
City	Troy	State	Michigan	Zip	48069-4390
Country	US	Telephone	(248) 888-3500	Fax	(248) 689-4071
<p>I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true, and further that these statements were made with the knowledge that making false statements and the like are made are punishable by fine or imprisonment, or both under 18 U.S.C. 1001 and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.</p>					
NAME OF SOLE OR FIRST INVENTOR		<input type="checkbox"/> A petition has been filed for this unsigned inventor			
Given Name (first and middle (if any))	Gail M.	Family Name or Surname	Cunningham		
Inventor's Signature	<i>Gail M. Cunningham</i>			Date	4/23/01
Residence: City	Oxford	State	MI	Country	US
Residence: State	MI	Country	US	Citizenship	US
Mailing Address	1145 Brookside Court				
Mailing Address					
City	Oxford	State	MI	Zip	48371
City	Oxford	State	MI	Country	US
NAME OF SECOND INVENTOR		<input type="checkbox"/> A petition has been filed for this unsigned inventor			
Given Name (first and middle (if any))			Family Name or Surname		
Inventor's Signature				Date	
Residence: City		State		Country	
Residence: State		Country		Citizenship	
Mailing Address					
Mailing Address					
City		State		Zip	
City		State		Country	
<input type="checkbox"/> Additional inventors are being named on the _____ (Applicant's Additional Inventor(s) sheet) PTO/SPR-02A (optional)					



## RECORDATION FORM COVER SHEET PATENTS ONLY

TO: The Commissioner of Patents and Trademarks: Please record the attached original document(s) or copy(ies).

### Submission Type

- ☒ New  
☐ Resubmission (Non-Recordation)  
Document ID #   
☐ Correction of PTO Error  
Reel #  Frame #   
☐ Corrective Document  
Reel #  Frame #

### Conveyance Type

- ☒ Assignment ☐ Security Agreement  
☐ License ☐ Change of Name  
☐ Merger ☐ Other

#### U.S. Government

(For Use ONLY by U.S. Government Agencies)

- ☐ Departmental File ☐ Secret File

### Conveying Party(ies)

☐ Mark if additional names of conveying parties attached

Name (line 1) CUNNINGHAM, GAIL M.

Execution Date  
Month Day Year  
4 23 01

Name (line 2)

### Second Party

Name (line 1)

Execution Date  
Month Day Year

Name (line 2)

### Receiving Party

☐ Mark if additional names of receiving parties attached

Name (line 1) DANA CORPORATION

Name (line 2) a corporation of Virginia

Address (line 1) 4500 Dorr Street

Address (line 2)

Address (line 3) Toledo

Ohio

43697

City

State/Country

Zip Code

☐ If document to be recorded is an assignment and the receiving party is not domiciled in the United States, an appointment of a domestic representative is attached. (Designation must be a separate document from Assignment.)

### Domestic Representative Name and Address

Enter for the first Receiving Party only.

Name

Address (line 1)

Address (line 2)

Address (line 3)

Address (line 4)

### FOR OFFICE USE ONLY

Public burden reporting for this collection of information is estimated to average approximately 30 minutes per Cover Sheet to be recorded, including time for reviewing the document and gathering the data needed to complete the Cover Sheet. Send comments regarding this burden estimate to the U.S. Patent and Trademark Office, Chief Information Officer, Washington, D.C. 20231 and to the Office of Information and Regulatory Affairs, Office of Management and Budget, Paperwork Reduction Project (0651-0027), Washington, D.C. 20503. See OMB Information Collection Budget Package 0651-0027, Patent and Trademark Assignment Practice. DO NOT SEND REQUESTS TO RECORD ASSIGNMENT DOCUMENTS TO THIS ADDRESS.

Mail documents to be recorded with required cover sheet(s) information to:  
Commissioner of Patents and Trademarks, Box Assignments, Washington, D.C. 20231

RECEIVED  
FEB 16 2005  
TC 1700

**Correspondent Name and Address**

Area Code and Telephone Number

(248) 689-3500

Name Robert C. Collins

Address (line 1) Reising, Ethington, Barness, Kisselle, Learman & McCulloch, P.C.

Address (line 2) P.O. Box 4390

Address (line 3) Troy, Michigan 48099-4390

Address (line 4)

**Pages**

Enter the total number of pages of the attached conveyance document including any attachments

# 2

**Application Number(s) or Patent Number(s)**

☐ Mark if additional numbers attached.

Enter either the Patent Application Number or the Patent Number (DO NOT ENTER BOTH numbers for the same property).

Patent Application Number(s)


Patent Number(s)


If this document is being filed together with a new Patent Application, enter the date the patent application was signed by the first named executing inventor.

Month Day Year

**Patent Cooperation Treaty (PCT)**

Enter PCT application number only if a U.S. Application Number as not been assigned.

PCT

PCT

PCT

PCT

PCT

PCT

**Number of Properties**

Enter the total number of properties involved.

# 1

**Fee Amount**

Fee Amount for Properties Listed (37 CFR 3.41):

\$ 40.00

Method of Payment:

Enclosed ☒

Deposit Account ☐

Deposit Account

Enter for payment by deposit account or if additional fees can be charged to the account.)

Deposit Account Number:

# 50-0852

Authorization to charge additional fees:

Yes ☒

No ☐

**Statement and Signature**

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document. Charges to deposit account are authorized, as indicated herein.

Robert C. Collins

Name of Person Signing

[Signature]  
Signature

4/24/01  
Date

## A\_S\_S\_I\_G\_N\_M\_E\_N\_T

WHEREAS, I, Gail M. Cunningham, have invented certain improvements in **FLUID-BORNE NOISE SUPPRESSION IN AN AUTOMOTIVE POWER STEERING SYSTEM** for which I am about to make application for Letters Patent of the United States of America; and

WHEREAS, Dana Corporation, a corporation organized and existing under the laws of the State of Virginia, and having its principal place of business at **4500 Dorr Street, Toledo, Ohio 43697** is desirous of acquiring the entire right, title and interest in and to said invention;

NOW, THEREFORE, in consideration of One Dollar (\$1.00) and other good and valuable consideration, the receipt of which is hereby acknowledged, I, Gail M. Cunningham by these presents, do hereby sell, assign and transfer unto the said corporation and its assigns, for the territory of the United States of America and all foreign countries, the entire right, title and interest, including all priority rights under the International Convention associated with each country of the Union, in and to said invention as described in the patent application executed by me on the \_\_\_\_\_ day of April, 2001, preparatory to obtaining Letters Patent of the United States of America thereon, and in and to said application and any Letters Patent that may be granted in pursuance of said application and any divisional, continuation or continuation-in-part application thereof, and in and to any reissue of any such patent, and in and to any patent applications which may be filed on said invention in countries foreign to the United States of America and any Letters Patent granted thereon.

I further authorize said corporation to apply for foreign patents on said invention in its own name or through its designees, including subsidiaries, related companies or assignees, under the International Convention or otherwise, and I further agree to execute all papers,

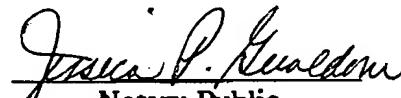
including those required for the United States and foreign applications, and perform such other proper acts as said corporation may deem necessary to secure to said corporation or its designee the rights herein assigned.

Dated: 4/23/01

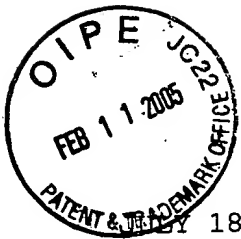
  
Gail M. Cunningham

STATE OF Michigan )  
COUNTY OF Oakland ) ss

On this 23<sup>rd</sup> day of April, 2001, before me a Notary Public in and for said County, personally appeared Gail M. Cunningham, to me known to be the person who executed the above instrument and acknowledged the same to be his free act and deed.

  
Notary Public

State of \_\_\_\_\_ JESSICA P. GUALDONI  
County of \_\_\_\_\_ NOTARY PUBLIC OAKLAND CO., MI  
MY COMMISSION EXPIRES Sep 5, 2004  
My commission expires: \_\_\_\_\_



UNITED STATES DEPARTMENT OF COMMERCE  
Patent and Trademark Office  
ASSISTANT SECRETARY AND COMMISSIONER  
OF PATENTS AND TRADEMARKS  
Washington, D.C. 20231

JUL 18, 2001

PTAS

REISING, ETHINGTON, BARNES, KESSELLE,  
LEARMAN & MCCULLOCH, P.C.  
ROBERT C. COLLINS  
P.O. BOX 4390  
TROY, MICHIGAN 48099-4390



\*101704489A\*

UNITED STATES PATENT AND TRADEMARK OFFICE  
NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT

THE ENCLOSED DOCUMENT HAS BEEN RECORDED BY THE ASSIGNMENT DIVISION OF THE U.S. PATENT AND TRADEMARK OFFICE. A COMPLETE MICROFILM COPY IS AVAILABLE AT THE ASSIGNMENT SEARCH ROOM ON THE REEL AND FRAME NUMBER REFERENCED BELOW.

PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 703-308-9723. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, ASSIGNMENT DIVISION, BOX ASSIGNMENTS, CG-4, 1213 JEFFERSON DAVIS HWY, SUITE 320, WASHINGTON, D.C. 20231.

RECORDATION DATE: 04/24/2001

REEL/FRAME: 011755/0165  
NUMBER OF PAGES: 4

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:  
CUNNINGHAM, GAIL M.

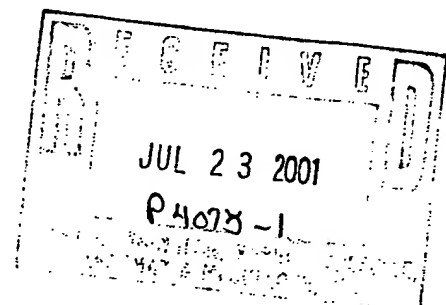
DOC DATE: 04/23/2001

ASSIGNEE:  
DANA CORPORATION  
4500 DORR STREET  
TOLEDO, OHIO 43697

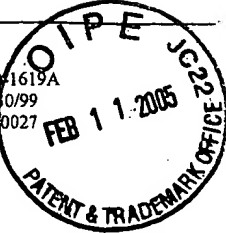
SERIAL NUMBER: 09841518  
PATENT NUMBER:

FILING DATE: 04/24/2001  
ISSUE DATE:

KIMBERLY WHITE, EXAMINER  
ASSIGNMENT DIVISION  
OFFICE OF PUBLIC RECORDS



FORM PTO-1619A  
Expires 06/30/99  
OMB 0651-0027



05-07-2001



U.S. Department of Commerce  
Patent and Trademark Office  
PATENT

101704489  
RECORDATION FORM COVER SHEET  
PATENTS ONLY

TO: The Commissioner of Patents and Trademarks: Please record the attached original document(s) or copy(ies).

**Submission Type**

- ☒ New *04/24/01*  
☐ Resubmission (Non-Recordation)  
Document ID #   
☐ Correction of PTO Error  
Reel #  Frame #   
☐ Corrective Document  
Reel #  Frame #

**Conveyance Type**

- ☒ Assignment ☐ Security Agreement  
☐ License ☐ Change of Name  
☐ Merger ☐ Other

**U.S. Government**

(For Use ONLY by U.S. Government Agencies)

- ☐ Departmental File ☐ Secret File

**Conveying Party(ies)**

☐ Mark if additional names of conveying parties attached

Name (line 1) CUNNINGHAM, GAIL M.

Execution Date  
Month Day Year  
*4 23 01*

Name (line 2)

**Second Party**

Name (line 1)

Execution Date  
Month Day Year

Name (line 2)

**Receiving Party**

☐ Mark if additional names of receiving parties attached

Name (line 1) DANA CORPORATION

Name (line 2) a corporation of Virginia

Address (line 1) 4500 Dorr Street

Address (line 2)

Address (line 3) Toledo

Ohio

43697

City

State/Country

Zip Code

☐ If document to be recorded is an assignment and the receiving party is not domiciled in the United States, an appointment of a domestic representative is attached. (Designation must be a separate document from Assignment.)

**Domestic Representative Name and Address**

Enter for the first Receiving Party only.

Name

Address (line 1)

Address (line 2)

Address (line 3)

Address (line 4)

**FOR OFFICE USE ONLY**

Public burden reporting for this collection of information is estimated to average approximately 30 minutes per Cover Sheet to be recorded, including time for reviewing the document and gathering the data needed to complete the Cover Sheet. Send comments regarding this burden estimate to the U.S. Patent and Trademark Office, Chief Information Officer, Washington, D.C. 20231 and to the Office of Information and Regulatory Affairs, Office of Management and Budget, Paperwork Reduction Project (0651-0027), Washington, D.C. 20503. See OMB Information Collection Budget Package 0651-0027, Patent and Trademark Assignment Practice. DO NOT SEND REQUESTS TO RECORD ASSIGNMENT DOCUMENTS TO THIS ADDRESS.

Mail documents to be recorded with required cover sheet(s) information to:

Commissioner of Patents and Trademarks, Box Assignments, Washington, D.C. 20231

04/27/2001 SZEWDIE1 00000034 09841518

02 FC:581

40.00 OP

J1036 U.S. PTO  
09/841518  
04/24/01



**Correspondent Name and Address**

Area Code and Telephone Number

(248) 689-3500

Name Robert C. Collins

Address (line 1) Reising, Ethington, Barness, Kisselle, Learman & McCulloch, P.C.

Address (line 2) P.O. Box 4390

Address (line 3) Troy, Michigan 48099-4390

Address (line 4)

**Pages**

Enter the total number of pages of the attached conveyance document including any attachments

#

2

**Application Number(s) or Patent Number(s)**

☐ Mark if additional numbers attached.

Enter either the Patent Application Number or the Patent Number (DO NOT ENTER BOTH numbers for the same property).

Patent Application Number(s)

09/841518

Patent Number(s)

If this document is being filed together with a new Patent Application, enter the date the patent application was signed by the first named executing inventor.

Month Day Year

**Patent Cooperation Treaty (PCT)**

Enter PCT application number only if a U.S. Application Number as not been assigned.

PCT

PCT

PCT

PCT

PCT

PCT

**Number of Properties**

Enter the total number of properties involved.

#

1

**Fee Amount**

Fee Amount for Properties Listed (37 CFR 3.41):

\$

40.00

Method of Payment:

Enclosed ☒

Deposit Account ☐

Deposit Account

Enter for payment by deposit account or if additional fees can be charged to the account.)

Deposit Account Number:

#

50-0852

Authorization to charge additional fees:

Yes ☒

No ☐

**Statement and Signature**

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document. Charges to deposit account are authorized, as indicated herein.

Robert C. Collins

Name of Person Signing

Signature

Date

4/24/01

## A S S I G N M E N T

WHEREAS, I, Gail M. Cunningham, have invented certain improvements in **FLUID-BORNE NOISE SUPPRESSION IN AN AUTOMOTIVE POWER STEERING SYSTEM** for which I am about to make application for Letters Patent of the United States of America; and

WHEREAS, Dana Corporation, a corporation organized and existing under the laws of the State of Virginia, and having its principal place of business at **4500 Dorr Street, Toledo, Ohio 43697** is desirous of acquiring the entire right, title and interest in and to said invention;

NOW, THEREFORE, in consideration of One Dollar (\$1.00) and other good and valuable consideration, the receipt of which is hereby acknowledged, I, Gail M. Cunningham by these presents, do hereby sell, assign and transfer unto the said corporation and its assigns, for the territory of the United States of America and all foreign countries, the entire right, title and interest, including all priority rights under the International Convention associated with each country of the Union, in and to said invention as described in the patent application executed by me on the \_\_\_\_\_ day of April, 2001, preparatory to obtaining Letters Patent of the United States of America thereon, and in and to said application and any Letters Patent that may be granted in pursuance of said application and any divisional, continuation or continuation-in-part application thereof, and in and to any reissue of any such patent, and in and to any patent applications which may be filed on said invention in countries foreign to the United States of America and any Letters Patent granted thereon.

I further authorize said corporation to apply for foreign patents on said invention in its own name or through its designees, including subsidiaries, related companies or assignees, under the International Convention or otherwise, and I further agree to execute all papers,

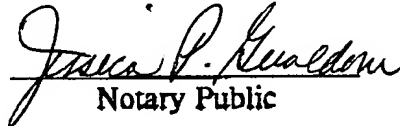
including those required for the United States and foreign applications, and perform such other proper acts as said corporation may deem necessary to secure to said corporation or its designee the rights herein assigned.

Dated: 4/23/01

  
Gail M. Cunningham

STATE OF Michigan )  
COUNTY OF Oakland ) ss

On this 23<sup>rd</sup> day of April, 2001, before me a Notary Public in and for said County, personally appeared Gail M. Cunningham, to me known to be the person who executed the above instrument and acknowledged the same to be his free act and deed.

  
Notary Public

State of \_\_\_\_\_ JESSICA P. GUALDONI  
County of \_\_\_\_\_ NOTARY PUBLIC OAKLAND CO., MI  
MY COMMISSION EXPIRES Sep 5, 2004  
My commission expires: \_\_\_\_\_